Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
16	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
	Basic rate	313.00							
	11% AD-HOC	34.43							
	Sub Total-1	347.43							
	6% AW	20.85							
	Sub Total-2	368.28							
	missing & damaged	2	25.00						
	B = A/0.45					50.00			
					A	50.00			
					B	111.00	Nos	368.28	40,878.61
17	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
	Basic rate	60.00							
	11% AD-HOC	6.60							
	Sub Total-1	66.60							
	6% AW	4.00							
	Sub Total-2	70.60							
		2	300.00	0.35		210.00			
						210.00	Sqm	70.60	14,825.16
18	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)								
	Basic rate	512.00							
	11% AD-HOC	56.32							
	Sub Total-1	568.32							
	6% AW	34.10							
	Sub Total-2	602.42							
	2nd main	2	335.00	0.10		67.00			
	1st main	2	205.00	0.10		41.00			
	7th cross	2	352.00	0.10		70.40			
	cross road -1	2	40.00	0.10		8.00			
	cross road -2	2	36.00	0.10		7.20			
	cross road -3	2	32.00	0.10		6.40			
	cross road -4	2	26.00	0.10		5.20			
	3rd cross	2	242.00	0.10		48.40			
	cross road -5	2	19.00	0.10		3.80			
	3rd cross, Sharada nagar	2	25.00	0.10		5.00			
	1st main	2	130.00	0.10		26.00			
	3rd cross, left side	2	77.00	0.10		15.40			
	3rd main (TIFR)	2	106.00	0.10		21.20			
	Shivanilaya house road	2	38.00	0.10		7.60			
	cross road -6	2	140.00	0.10		28.00			
	cross road -7	2	56.00	0.10		11.20			
	cross road -8	2	50.00	0.10		10.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road -9	2	50.00	0.10		10.00			
	cross road -10	2	76.00	0.10		15.20			
						407.00	Sqm	602.42	245184.61
19	KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications.(P.No-189,I No-24.41)								
	Basic rate	339.00							
	11% AD-HOC	37.29							
	Sub Total-1	376.29							
	6% AW	22.58							
	Sub Total-2	398.87							
			1450.00						
	At 6.00m interval					2900.00			
						483.33	Nos	398.87	192785.91
								Total Construction Cost	9858252.98
								DPR & PMC Charges	141000.00
								Sub Total	9999252.98
								Utility Shifting, Miscellaneous, Rounding off	747.02
								GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division,
BBMP Bangalore
7/2/18

Administrative Approval

Accorded For .....
Head of A/C.....
CER NO :..... Dt:..

E.E. (Project)

Technical Sanction

Accorded For 100.00 lakhs only
Head of A/C.....P-2415
CER NO :.....645..... Dt:08/02/2018

TA : CE (YNK)

Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Division

Name of Work: Improvements to roads and drains balance main and cross roads of A sector in ward No. 04

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Estimate Cost Rs. 100.00 Lakhs Amount
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
	Basic rate	76.00							
	11% AD-HOC	8.36							
	Sub Total-1	84.36							
	6% AW	5.06							
	Sub Total-2	89.42							
	Top slab								
	2nd A main	2	202.00	1.00		404.00			
	11th A cross	2	220.00	1.00		440.00			
	5th A main	2	257.00	1.00		514.00			
	4th A main	2	204.00	1.00		408.00			
	12th A cross	2	160.00	1.00		320.00			
	13th A cross	2	172.00	1.00		344.00			
	3rd A main	2	118.00	1.00		236.00			
	14th A cross	2	350.00	1.00		700.00			
	Drain slab								
	2nd A main	2	202.00	1.65		666.60			
	11th A cross	2	220.00	1.65		726.00			
	5th A main	2	257.00	1.65		848.10			
	4th A main	2	204.00	1.65		673.20			
	12th A cross	2	160.00	1.65		528.00			
	13th A cross	2	172.00	1.65		567.60			
	3rd A main	2	118.00	1.65		389.40			
	14th A cross	2	350.00	1.65		1155.00			
	Total Qty					**8919.90**			
	Consider 30% of total Qty					**2675.97**			
						2675.97	**Sqm**	**89.42**	**239289.52**
2	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-Data rate								
	Basic rate	2100.00							
	10% of Total qty of Item no -1 of precast slab					336.60			
						336.60	**Sqm**	**2100.00**	**706860.00**
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17).								
	Basic rate	628.00							
	11% AD-HOC	69.08							
	Sub Total-1	697.08							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6% AW	41.82							
	Sub Total-2	738.90							
	Consider 10% of Total qty of Item no -1								
						891.99			
						891.99	Sqm	738.90	659095.69
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km ld & lt, transport	100.00							
	Sub Total-3	196.48							
	2nd A main	2	202.00	0.55	0.55	122.21			
	11th A cross	2	220.00	0.55	0.55	133.10			
	5th A main	2	257.00	0.60	0.55	169.62			
	4th A main	2	204.00	0.55	0.50	112.20			
	12th A cross	2	160.00	0.55	0.50	88.00			
	13th A cross	2	172.00	0.55	0.50	94.60			
	3rd A main	2	118.00	0.55	0.50	64.90			
	14th A cross	2	350.00	0.55	0.55	211.75			
	UGD Cut portion								
	2nd A main	1	202.00	1.00	0.40	80.80			
	11th A cross	1	220.00	1.00	0.40	88.00			
	5th A main	1	257.00	1.00	0.40	102.80			
	4th A main	1	204.00	1.00	0.40	81.60			
	12th A cross	1	160.00	1.00	0.40	64.00			
	13th A cross	1	172.00	1.00	0.40	68.80			
	3rd A main	1	118.00	1.00	0.40	47.20			
	14th A cross	1	350.00	1.00	0.40	140.00			
	culvert	4	8.00	1.50	1.20	57.60			
						1727.18	Cum	196.48	339358.40
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	culvert	4	8.00	1.50	0.15	7.20			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17					7.20	Cum	5937.12	42,747.29
	Basic rate	5005.00							
	11% AD-HOC	550.55							
	Sub Total-1	5555.55							
	6% AW	333.33							
	Sub Total-2	5888.88							
	culvert	8	8.00	0.45	0.70	20.16			
						20.16	Cum	5888.88	118719.88
7	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&IWTD SR 2016-17)								
	Basic rate	5441.00							
	11% AD-HOC	598.51							
	Sub Total-1	6039.51							
	6% AW	362.37							
	Sub Total-2	6401.88							
	culvert	8	8.00	0.45	0.10	2.88			
						2.88	Cum	6401.88	18,437.42
8	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-(Data rate)								
	Basic rate	5111.00							
		4	8.00	1.50		48.00			
						48.00	Sqm	5111.00	245328.00
9	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Basic rate	1571.00							
	11% AD-HOC	172.81							
	Sub Total-1	1743.81							
	6% AW	104.63							
	Sub Total-2	1848.44							
	UGD Cut portion								
	2nd A main	1	202.00	1.00	0.15	30.30			
	11th A cross	1	220.00	1.00	0.15	33.00			
	5th A main	1	257.00	1.00	0.15	38.55			